623
U.S. COAST GUARD
623

00 - cover photo

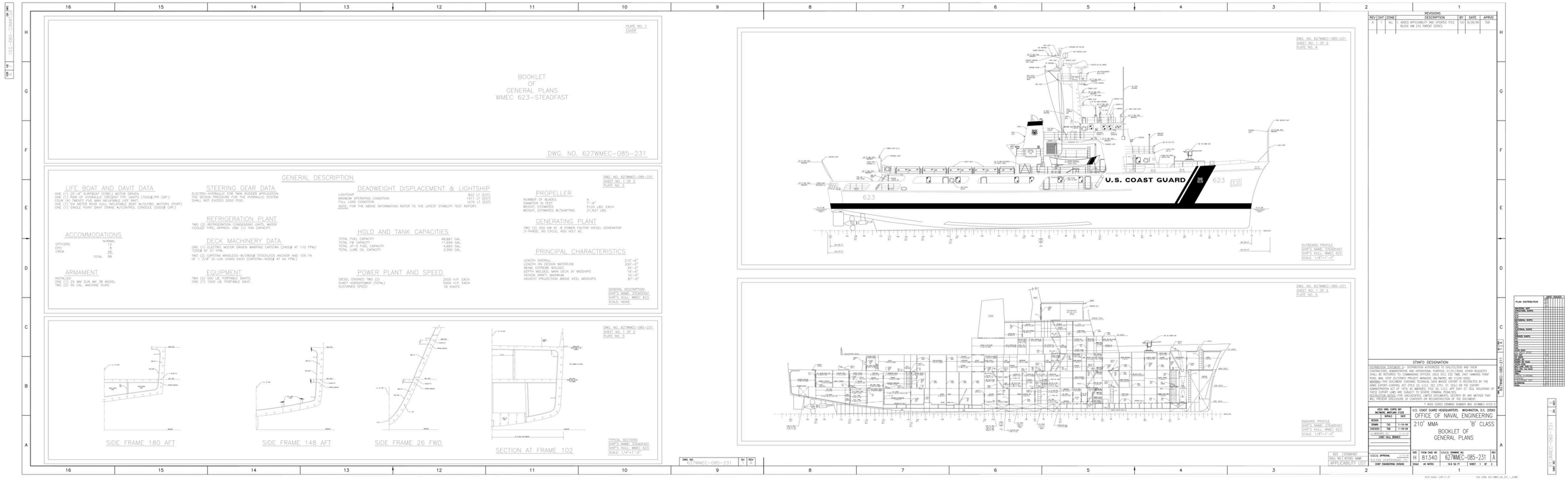
PLATE NO. 1
COVER
BOOKLET
OF
GENERAL PLANS
WMEC 623—STEADFAST
DWG. NO. 627WMEC-085-231
GENERAL DESCRIPTION
LIFE BOAT AND DAVIT DATA
ONE (1) 25'-0" EARTHART (FIBER) MOTOR DRIVEN
ONE (1) PAIR OF HYDRAULIC CRESCENT TYPE DAVITS (7000#/PR CAP.)
FOUR (4) TWENTY FIVE MAN INFLATABLE LIFE RAFT
ONE (1) SIX METER RIGID HULL INFLATABLE BOAT W/OUTBD. MOTORS (PORT)
ONE (1) SINGLE POINT DAVIT CRANE W/CONTROL CONSOLE (5000LB CAP.)
STEERING GEAR DATA
ELECTRO-HYDRAULIC FOR TWIN RUDDER APPLICATION
THE DESIGN PRESSURE FOR THE HYDRAULIC SYSTEM SHALL NOT EXCEED 2000 PSIG
REFRIGERATION PLANT
TWO (2) REFRIGERATION CONDENSING UNITS, WATER COOLED TYPE, APPROX. ONE (1) TON CAPACITY.
DECK MACHINERY DATA
ONE (1) ELECTRIC MOTOR DRIVEN WARPING CAPSTAN (2400# AT 110 FPM/ 1200# AT 220 FPM)
TWO (2) CAPSTAN WINDLESS-W/2INCH/8 STOCKLESS ANCHOR AND 105 FA OF 1 1/8" STUD LINK CHAIN EACH (CAPSTAN-40006 AT 40 FPM.)
DEADWEIGHT DISPLACEMENT & LIGHTSHIP
LIGHTSHIP 823 LT (ESt)
NORMAL OPERATING CONDITION 1,017 LT (ESt)
FULL LOAD CONDITION 1070 LT (ESt)
NOTE: FOR THE ABOVE INFORMATION REFER TO THE LATEST STABILITY TEST REPORT.
HOLD AND TANK CAPACITIES
TOTAL FUEL CAPACITY 48,881 GAL.
TOTAL FRESH WATER 14,000 GAL.
TOTAL JP-5 FUEL CAPACITY 4,683 GAL.
TOTAL LUBE OIL CAPACITY 2,090 GAL.
POWER PLANT AND SPEED
DIESEL ENGINES TWO (2) 2500 H.P. EACH
SHAFT HORSEPOWER (TOTAL) 5000 H.P. EACH
SUSTAINED SPEED 18 KNOTS
PROPELLER
NUMBER OF BLADES 4
DIAMETER IN FEET 7'-6"
WEIGHT, ESTIMATED 3100 LBS. EACH
MODIAT, ESTIMATED W/SHAFTING 21,427 LBS.
GENERATING PLANT
TWO (2) 250 KW AT A POWER FACTOR DIESEL GENERATOR 3-PHASE, 60 CYCLE, 450 VOLT AC.
PRINCIPAL CHARACTERISTICS
LENGTH OVERALL 210'-6"
LENGTH ON DESIGN WATERLINE 200'-0"
BEAM, EXTREME MOLDED 34'-0"
DEPTH MOLDED, MAIN DECK AT MIDSHIPS 19'-6"
DESIGN DRAFT, MAXIMUM 10'-6"
HIGHEST PROJECTION ABOVE KEEL MIDSHIPS 87'-0"
ACCOMMODATIONS
NORMAL
OFFICERS 12
CPO 8
CREW 65
TOTAL 86
ARMAMENT
INSTALLED
ONE (1) 25 MM GUN MK 38 MODEL
TWO (2) 50 CAL. MACHINE GUNS.
EQUIPMENT
ONE (1) 500 LB. PORTABLE DAVITS.
ONE (1) 1500 LB. PORTABLE DAVIT.
SIDE FRAME 180 AFT
SIDE FRAME 148 AFT
SIDE FRAME 26 FWD
SECTION AT FRAME 102
TYPICAL SECTIONS
OUTBOARD PROFILE
INBOARD PROFILE
REVISIONS
STNFO DESIGNATION
U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593
OFFICE OF NAVAL ENGINEERING
210' MMA "B" CLASS
BOOKLET OF
GENERAL PLANS
PLAN DISTRIBUTION

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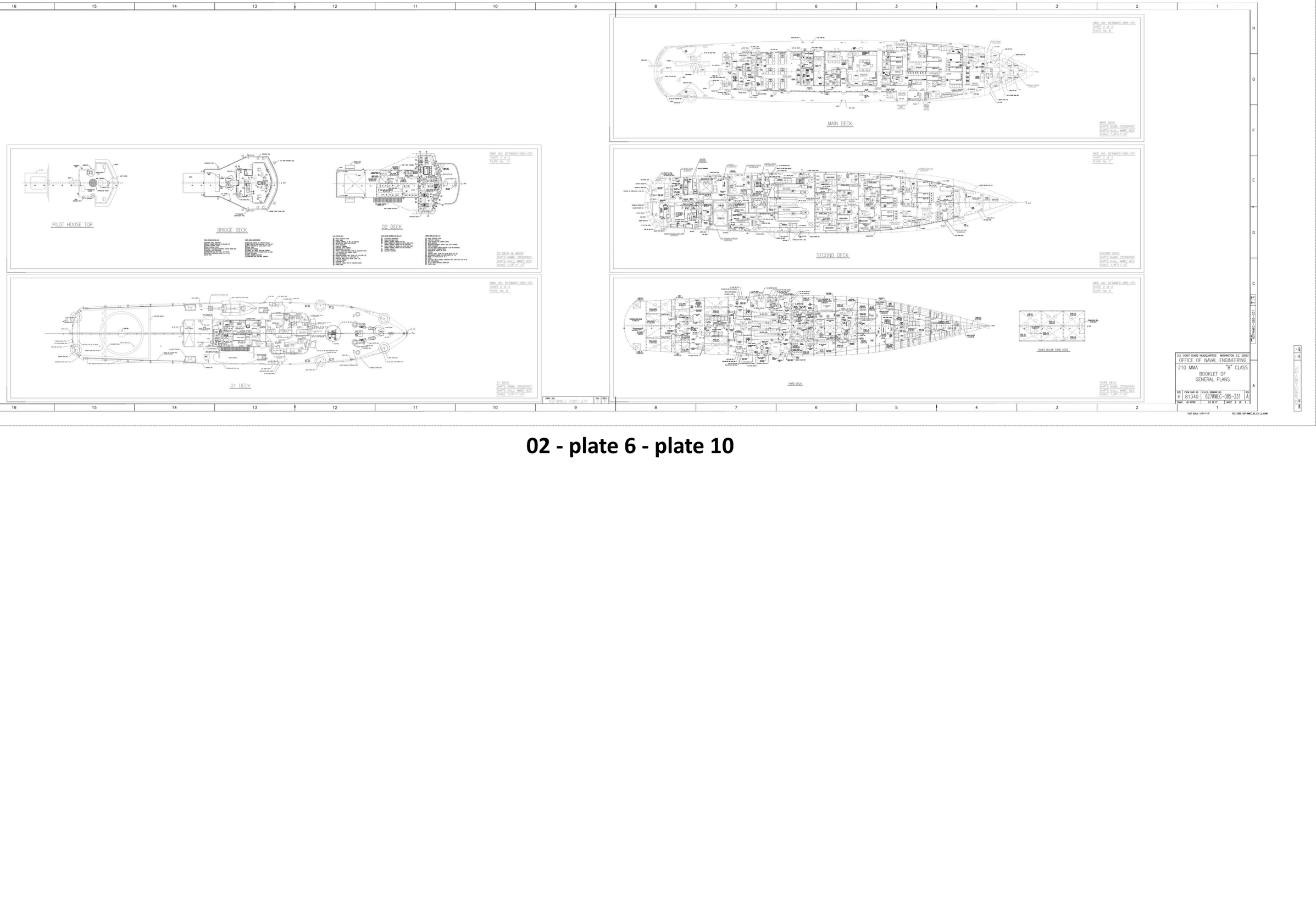

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